

CLEAN VERSION OF AMENDMENTS

IN THE SPECIFICATION

Please insert the following paragraph between paragraph 57 and paragraph 58 of Applicants originally filed specification as follows:

Sub C1
B1
It can be appreciated that the ink-jet printheads of the present invention can be manufactured by a process starting with etching a channel into a bottom side of a silicon substrate and then etching a plurality of holes on a bottom of said channel of said substrate to perforate said substrate. It is noted that the substrate is a single integrated monolithic unit of preferably silicon, the silicon substrate having both the channels and the ink feed holes etched therein. After the etching of the silicon substrate, electrodes or signal lines are deposited on a top side of the substrate. Resistive material is then deposited on the top side of the substrate electrically joining pairs of ends of electrodes that are located near each other. Then the nozzle plate is attached to the top side of the substrate. The nozzle plate is perforated by a nozzle holes, each nozzle hole being positioned directly above a resistive layer joining the ends of a pair of signal lines. The resistive layer can be square in shape or essentially circular or omega in shape. The holes perforating the nozzle plate have a small diameter on a top side of the nozzle plate and have a larger diameter on the bottom side of the nozzle plate where the nozzle plate attaches to the top side of the substrate.